

Title (en)

WEATHER DATA PROCESSING APPARATUS AND METHOD USING WEATHER RADAR

Title (de)

WETTERDATENVERARBEITUNGSVORRICHTUNG UND VERFAHREN MIT EINEM WETTERRADAR

Title (fr)

APPAREIL DE TRAITEMENT DE DONNÉES MÉTÉOROLOGIQUES ET PROCÉDÉ FAISANT APPEL À UN RADAR MÉTÉOROLOGIQUE

Publication

EP 3296763 A1 20180321 (EN)

Application

EP 17178324 A 20170628

Priority

JP 2016180873 A 20160915

Abstract (en)

According to one embodiment, a weather data processing apparatus includes a storage (11) configured to store weather data observed by a weather radar (12), and a processor (10). The processor (10) is configured to acquire three-dimensional data of a cumulonimbus from the weather data; to detect a core of the cumulonimbus by using a principal component analysis process of the three-dimensional data; to calculate core detection data for displaying the core; and to execute a display process for effecting three-dimensional display of the cumulonimbus, and display of the core, based on the three-dimensional data of the cumulonimbus and the core detection data.

IPC 8 full level

G01S 13/95 (2006.01); **G01S 7/20** (2006.01); **G01W 1/10** (2006.01)

CPC (source: CN EP US)

G01S 7/20 (2013.01 - EP US); **G01S 13/95** (2013.01 - CN EP US); **G01S 13/951** (2013.01 - US); **G01W 1/10** (2013.01 - EP US); **G06F 16/00** (2018.12 - EP US); **G06F 18/2135** (2023.01 - CN); **G06T 15/00** (2013.01 - CN); **G06T 17/05** (2013.01 - CN); **G06V 20/13** (2022.01 - CN); **G01K 2203/00** (2013.01 - US); **Y02A 90/10** (2017.12 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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